

IN THE CLAIMS

Claims 1-34 (Cancelled)

35. (Original) A ball point pen comprising:

a housing containing a ball point pen cartridge, wherein the ball point pen cartridge includes a ball point tip and an indelible ink solution, and wherein the indelible ink solution includes an organic solvent system, a dye or pigment dissolved or dispersed in the organic solvent system; and an amino silane coupling agent.

36. (Currently Amended) The ball point pen of claim 35, wherein the amino silane coupling agent has the formula



Wherein

Each R_1 is independently R_2 , $\text{O}-(\text{C}_1-\text{C}_6\text{alkyl})$, $\text{C}_1-\text{C}_6\text{alkyl}$, or ~~H~~halogen, provided that at least one R_1 is R_2 ; and

Each R_2 is independently $\{\text{H}-[(\text{NH})-(\text{C}_1-\text{C}_6\text{alkyl})]-[(\text{NH})-(\text{C}_1-\text{C}_6\text{alkyl})]_m[(\text{NH})-(\text{C}_1-\text{C}_6\text{alkyl})]_n\}$ -, in which m is 0 or 1 and n is 0 or 1.

37. (Original) The ball point pen of claim 36, wherein the amino silane coupling agent is $\text{H}-[(\text{NH})-(\text{C}_1-\text{C}_6\text{alkyl})]-[(\text{NH})-(\text{C}_1-\text{C}_6\text{alkyl})]_m[(\text{NH})-(\text{C}_1-\text{C}_6\text{alkyl})]_n\text{Si}-(\text{R}_1)_3$.

38. (Original) The ball point pen of claim 37, wherein at least two of R_1 are halogen or $\text{O}-(\text{C}_1-\text{C}_6\text{alkyl})$.

39. (Original) The ball point pen of claim 36, wherein the amino silane coupling agent is selected from $\text{tri}(\text{C}_1-\text{C}_6\text{alkoxy})\text{C}_1-\text{C}_6\text{alkylmonoamino silane}$, $\text{di}(\text{C}_1-\text{C}_6\text{alkoxy})\text{C}_1-\text{C}_6\text{alkyl}(\text{C}_1-\text{C}_6\text{alkylmonoamino silane})$, and $\text{tri}(\text{C}_1-\text{C}_6\text{alkoxy})\text{C}_1-\text{C}_6\text{alkyldiamino silane}$.

40. **(Original)** The ball point pen of claim 36, wherein the amino silane coupling agent is a tri(C₁-C₆alkoxy)C₁-C₆alkylmonoamino silane.

41. **(Currently Amended)** The ball point pen of claim 35, wherein the amino silane coupling agent is N-β (aminoethyl)-*r*-aminopropyl-trimethoxysilane, N-β (aminoethyl)-*r*-aminopropyl-methyldimethoxysilane, 3-aminopropyl-triethoxysilane, N-phenyl-*r*-aminopropyl-trimethoxysilane, N-(n-~~B~~butyl)-3-aminopropyltrimethoxysilane, or 3-aminopropylmethyldiethoxysilane.

42. **(Original)** The ball point pen of claim 35, wherein the solution includes between about 5 to about 30 weight percent of one or more amino silane coupling agents.

43. **(Original)** The ball point pen of claim 42, wherein the solution includes between about 15 to about 20 weight percent of one or more amino silane coupling agents.

44. **(Original)** The ball point pen of claim 35, wherein the ink solution further comprises a rheological modifier.

45. **(Original)** The ball point pen of claim 44, wherein the ink solution contains between about 0.1 and about 5 weight percent of the rheological modifier.

46. **(Original)** The ball point pen of claim 44, wherein the rheological modifier is a fumed silica.

47. **(Currently Amended)** The ball point pen of claim 35, wherein the dye or pigment is selected from the group consisting of Sepisol Fast Blue 2BR (Solvent Blue 43), Sepisol Fast Blue MBSN (Solvent Blue 38), Methyl Violet Base BP (Solvent Violet 8 basic), Sepisol Fast Blue ARNF (Solvent Blue 37), Sepisol Fast Blue 85219 (Basic Blue 7 derivative), Sepisol Fast Violet 881239 (Basic Violet 1 derivative), Sepisol Fast Violet 85152 (Basic Violet 3 derivative), Acid Blue 25, Acid Blue 158, and Basic Blue 54.

48. **(Original)** The ball point pen of claim 35, wherein the solution includes between about 15 to about 40 weight percent of one or more dyes in the aggregate.

49. **(Original)** The ball point pen of claim 35, wherein the cartridge is capped at atmospheric pressure.

50. **(Original)** The ball point pen of claim 35, wherein the cartridge is capped and pressurized to between about 3 to about 40 psig.

51. **(Original)** The ball point pen of claim 35, wherein the cartridge is pressurized with a gas containing at least 70% nitrogen.

52. **(Original)** The ball point pen of claim 35, wherein the ink solution when applied to paper remains visible after washing with one or more organic solvents.

Claims 53-70 (Cancelled)

71. **(New)** An indelible ink solution comprising:

an organic solvent system;

a dye or pigment dissolved in the organic solvent system; and

an amino silane coupling agent,

wherein the solution includes between about 15 to about 20 weight percent of one or more amino silane coupling agents.

72. **(New)** A pen reservoir comprising:

a housing including an indelible ink solution including

an organic solvent system,

a dye or pigment dissolved or dispersed in the organic solvent system, and

an amino silane coupling agent,

wherein the solution includes between about 15 to about 20 weight percent of one or more amino silane coupling agents.

73. (New) The pen reservoir of claim 72, wherein the housing is capped and pressurized to between about 3 to about 40 psig.

74. (New) The pen reservoir of claim 73, wherein the housing is pressurized with a gas comprising at least 70% nitrogen.

75. (New) The pen reservoir of claim 72, wherein the housing includes a ball point tip.

76. (New) A method of recording a security marking comprising:
providing a writing instrument containing an indelible ink solution, wherein the indelible ink solution includes an organic solvent system, a dye or pigment dissolved in the organic solvent system; and an amino silane coupling agent, wherein the solution includes between about 15 to about 20 weight percent of one or more amino silane coupling agents.

77. (New) The method of recording a security marking of claim 76, wherein the writing instrument includes a cartridge that is capped and pressurized to between about 3 to about 40 psig.

78. (New) The method of recording a security marking of claim 77, wherein the cartridge is pressurized with a gas containing at least 70% nitrogen.